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Substitute for form 1449A/PTO		Complete if Known	
O I P INFORMATION DISCLOSURE STATEMENT BY APPLICANT 10/17/2001 (use as many sheets as necessary)		Application Number 09/854,845 Filing Date May 14, 2001 First Named Inventor Walker Group Art Unit 1645 1647 Examiner Name To be assigned Attorney Docket Number LEX-0177-USA	
Sheet	1	3	

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
SD	AA	4,215,051		Schroeder et al	07/29/80	
IL	AB	4,376,110		David et al	03/08/83	
U	AC	4,631,211		Houghten	12/23/86	
IL	AD	4,689,405		Frank et al	08/25/87	
IL	AE	4,713,326		Dattagupta et al	12/15/87	
IL	AF	4,873,191		Wagner et al	10/10/89	
IL	AG	4,946,778		Ladner et al	08/07/90	
IL	AH	5,252,743		Barrett et al	10/12/93	
IL	AI	5,424,188		Fodor et al	06/13/95	
IL	AJ	5,445,934		Fodor et al	08/29/95	
IL	AK	5,459,127		Felgner et al.	10/17/95	
IL	AL	5,494,595		Nieh	02/27/96	
IL	AM	5,556,752		Lockhart et al	09/17/96	
IL	AN	5,700,637		Southern	12/23/97	
IL	AO	5,744,305		Fodor et al	04/28/98	
IL	AP	5,830,721		Stemmer et al	11/03/98	
IL	AQ	5,837,458		Minshull et al	11/17/98	
IL	AR	5,869,336		Meyer et al.	02/09/99	
IL	AS	5,877,397		Lonberg et al	03/02/99	
IL	AT	5,948,767		Scheule et al.	09/07/99	
IL	AU	5,981,222		Jacobs et al.	11/09/99	
IL	AV	6,013,781		Goodman et al.	01/11/00	
IL	AW	6,075,181		Kucherlapati et al	06/13/00	
IL	AX	6,110,490		Thierry	08/29/00	
IL	AY	6,150,584		Kucherlapati et al.	11/21/00	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office ³	Number ⁴	Kind Code ⁵ (if known)			

Examiner Signature	Stephen Gucker	Date Considered	1/25/04
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Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT OCT 01 2001 (use as many sheets as necessary)		Application Number	09/854,845
Sheet	2	Filing Date	May 14, 2001
	3	First Name Inventor	Walker
		Group Art Unit	1645 1647
		Examiner Name	To be assigned
		Attorney Docket Number	LEX-0177-USA

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
Cyb	AZ	Bird et al, 1988, "Single-Chain Antigen-Binding Proteins", Science 242:423-426.	
ll	BA	Bitter et al, 1987, "Expression and Secretion Vectors for Yeast", Methods in Enzymology 153:516-544.	
ll	BB	Colbere-Garapin et al, 1981, "A New Dominant Hybrid Selective Marker for Higher Eukaryotic Cells", J. Mol. Biol. 150:1-14.	
ll	BC	Gautier et al, 1987, "α-DNA IV:α-anomeric and β-anomeric tetrathymidylates covalently linked to intercalating oxazolopyridocarbazole. Synthesis, physicochemical properties and poly (rA) binding", Nucleic Acids Research 15(16):6625-6641.	
ll	BD	Gordon, 1989, "Transgenic Animals", International Review of Cytology, 115:171-229.	
ll	BE	Greenspan et al, 1993, "Idiotypes: structure and immunogenicity", FASEB Journal 7:437-444.	
ll	BF	Gu et al, 1994, "Deletion of a DNA Polymerase β Gene Segment in T Cells Using Cell Type-Specific Gene Targeting", Science 265:103-106.	
ll	BG	Huse et al, 1989, "Generation of a Large Combinatorial Library of the Immunoglobulin Repertoire in Phage Lambda", Science 246:1275-1281.	
ll	BH	Huston et al, 1988, "Protein engineering of antibody binding sites: Recovery of specific activity in an anti-digoxin single-chain Fv analogue produced in Escherichia coli", Proc. Natl. Acad. Sci. USA 85:5879-5883.	
ll	BI	Inoue et al, 1987, "Sequence-dependent hydrolysis of RNA using modified oligonucleotide splints and RNase H", FEBS Letters 215(2):327-330.	
ll	BJ	Inoue et al, 1987, "Synthesis and hybridization studies on two complementary nona(2'-O-methyl)ribonucleotides", Nucleic Acids Research 15(15):6131-6149.	
ll	BK	Inouye & Inouye, 1985, "Up-promoter mutations in the lpp gene of Escherichia coli", Nucleic Acids Research 13(9):3101-3110.	
ll	BL	Janknecht et al, 1991, "Rapid and efficient purification of native histidine-tagged protein expressed by recombinant vaccinia virus", PNAS 88:8972-8976.	
ll	BM	Kohler & Milstein, 1975, "Continuous cultures of fused cells secreting antibody of predefined specificity", Nature 256:495-497.	
ll	BN	Lakso et al, 1992, "Targeted oncogene activation by site-specific recombination in transgenic mice", Proc. Natl. Acad. Sci. USA 89:6232-6236.	
ll	BO	Lam et al, 1991, "A new type of synthetic peptide library for identifying ligand-binding activity", Nature 354:82-86.	
ll	BP	Lavitrano et al, 1989, "Sperm Cells as Vectors for Introducing Foreign DNA into Eggs: Genetic Transformation of Mice", Cell 57:717-723.	
ll	BQ	Lo, 1983, "Transformation by Electrophoretic Microinjection of DNA: Multiple Integrations without Tandem Insertions", Mol. & Cell. Biology 3(10):1803-1814.	

Examiner Signature	<i>Stephen J. Becker</i>	Date Considered	1/25/04
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Substitute for form 1449B/PTO		Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT OCT 01 2001 (use as many sheets as necessary)		Application Number 09/654,845 Filing Date May 14, 2001 First Named Inventor Walker Group Art Unit 1647 Examiner Name To be assigned	
Sheet	3	of	3
Attorney Docket Number LEX-0177-USA			

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.); date, page(s), volume-issue number(s), publisher, city and/or country where published.
SG	BR	Logan et al, 1984, "Adenovirus tripartite leader sequence enhances translation of mRNAs late after infection", Proc. Natl. Acad. Sci. USA 81:3655-3659.
ll	BS	Lowy et al, 1980, "Isolation of Transforming DNA: Cloning the Hamster aprt Gene", Cell 22:817-823.
ll	BT	Morrison et al, 1984, "Chimeric human antibody molecules: Mouse antigen-binding domains with human constant region domains", Proc. Natl. Acad. Sci. USA 81:6851-6855.
ll	BU	Mulligan & Berg, 1981, "Selection for animal cells that express the Escherichia coli gene coding for xanthine-guanine phosphoribosyltransferase", Proc. Natl. Acad. Sci. USA 78(4):2072-2076.
ll	BV	Neuberger et al, 1984, "Recombinant antibodies possessing novel effector functions", Nature 312:604-608.
ll	BW	Nisonoff, 1991, "Idiotypes: Concepts and Applications", J. of Immunology 147:2429-2438.
ll	BX	O'Hare et al, 1981, "Transformation of mouse fibroblasts to methotrexate resistance by a recombinant plasmid expressing a prokaryotic dihydrofolate reductase", Proc. Natl. Acad. Sci. USA 78(3):1527-1531.
ll	BY	Ruther et al, 1983, "Easy identification of cDNA clones", EMBO Journal 2(10):1791-1794.
ll	BZ	Santerre et al, 1984, "Expression of prokaryotic genes for hygromycin B and G418 resistance as dominant-selection markers in mouse L cells", Gene 30:147-156.
ll	CA	Sarin et al, 1988, "Inhibition of acquired immunodeficiency syndrome virus by oligodeoxynucleoside methylphosphonates", Proc. Natl. Acad. Sci. USA 85:7448-7451.
ll	CB	Smith et al, 1983, "Molecular Engineering of the Autographa californica Nuclear Polyhedrosis Virus Genome: Deletion Mutations within the Polyhedrin Gene", J. Virol. 46(2):584-593.
ll	CC	Stein et al, 1988, "Physiochemical properties of phosphorothioate oligodeoxynucleotides", Nucleic Acids Research 16(8):3209-3221.
ll	CD	Szybalska & Szybalski, 1962, "Genetics of Human Cell Lines, IV. DNA-Mediated Heritable Transformation of a Biochemical Trait", Proc. Natl. Acad. Sci. USA 48:2026-2034.
ll	CE	Takeda et al, 1985, "Construction of chimaeric processed immunoglobulin genes containing mouse variable and human constant region sequences", Nature 314:452-454.
ll	CF	Thompson et al, 1989, "Germ Line Transmission and Expression of a Corrected HPRT Gene Produced by Gene Targeting in Embryonic Stem Cells", Cell 56:313-321.
ll	CG	Van Der Putten et al, 1985, "Efficient insertion of genes into the mouse germ line via retroviral vectors", Proc. Natl. Acad. Sci. USA 82:6148-6152.
ll	CH	Van Heeke et al, 1989, "Expression of Human Asparagine Synthetase in Escherichia coli", J. Biol. Chemistry 264(10):5503-5509.
ll	CI	Ward et al, 1989, "Binding activities of a repertoire of single immunoglobulin variable domains secreted from Escherichia coli", Nature 341:544-546.
ll	CJ	Wigler et al, 1977, "Transfer of Purified Herpes Virus Thymidine Kinase Gene to Cultured Mouse Cells", Cell 11:223-232.
ll	CK	Wigler et al, 1980, "Transformation of mammalian cells with an amplifiable dominant-acting gene", Proc. Natl. Acad. Sci. USA 77(6):3567-3570.

Examiner Signature	Stephen Gucker	Date Considered	1/25/04
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 SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Complete If Known	
				Application Number	09/854,845
				Filing Date	05/14/01
				First Named Inventor	Walker
				Group Art Unit	4645 1647
				Examiner Name	To be assigned
Sh et	1	1	2	Attorney Docket Number	LEX-0177-USA

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STATEMENT BY APPLICANT**

 SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT			
Substitute for form 1449B/PTO		DEC	Complete If Known
		Application Number	09/854,845
		Filing Date	05/14/01
		First Name of Inventor	Walke
		Group Art Unit	1645 1647
		Examiner Name	To be assigned
Sheet	2	of	2
		Attorney Docket Number	
		LEX-0177-USA	
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
<i>SD</i>	CP	ADAMS et al., "A Novel Class of Murine Semaphorins with Homology to Thrombospondin is Differentially Expressed during early Embryogenesis," Mechanisms of Development, Elsevier Science Ireland Ltd., IE, Vol. 57, 1996, pgs. 33-45, XP000996385, ISSN: 0925-4773.
<i>LL</i>	CQ	Database EMBL 'Online' ADAMS et al., "M.musculus mRNA for semaphorin G," 06/30/96, Database accession no. X97818, Q60519, XP002219588.
<i>LL</i>	CR	Database EMBL 'Online' OHARA, et al., "Homo sapiens mRNA for KIAA1445 protein, partial cds.," 05/23/00, Database accession no. AB040878, Q9P283, XP002219589.
<i>LL</i>	CS	SIMMONS et al., "Molecular cloning and mapping of human semaphorin F from the Cri-du-chat candidate interval," Biochemical and Biophysical Research Communications, Vol. 242, No. 3, 01/26/98, pgs. 685-691, XP002219587, ISSN: 0006-291X
<i>LL</i>		International Search Report, International Application No. PCT/US01/15489, 05/14/01 (Attorney Docket No. LEX-0177-PCT)

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